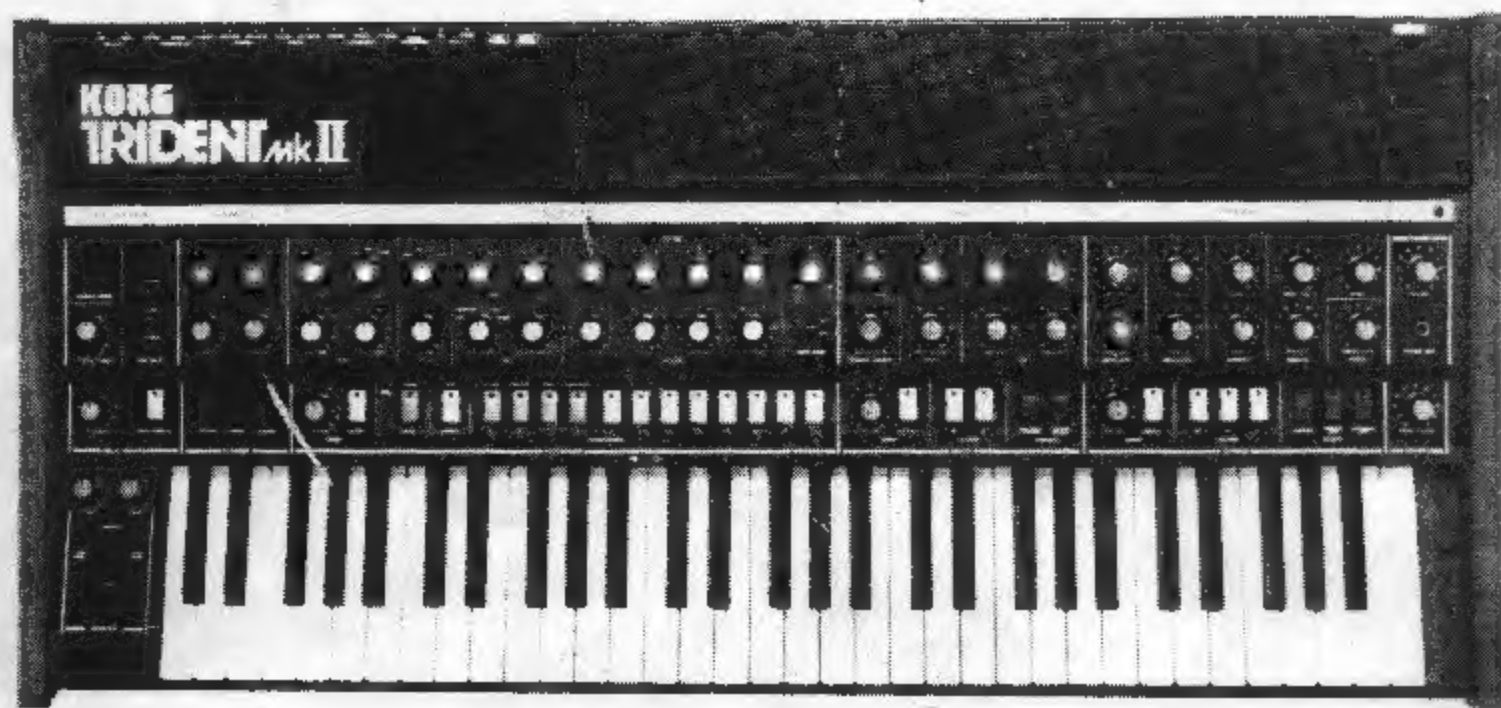


KORG

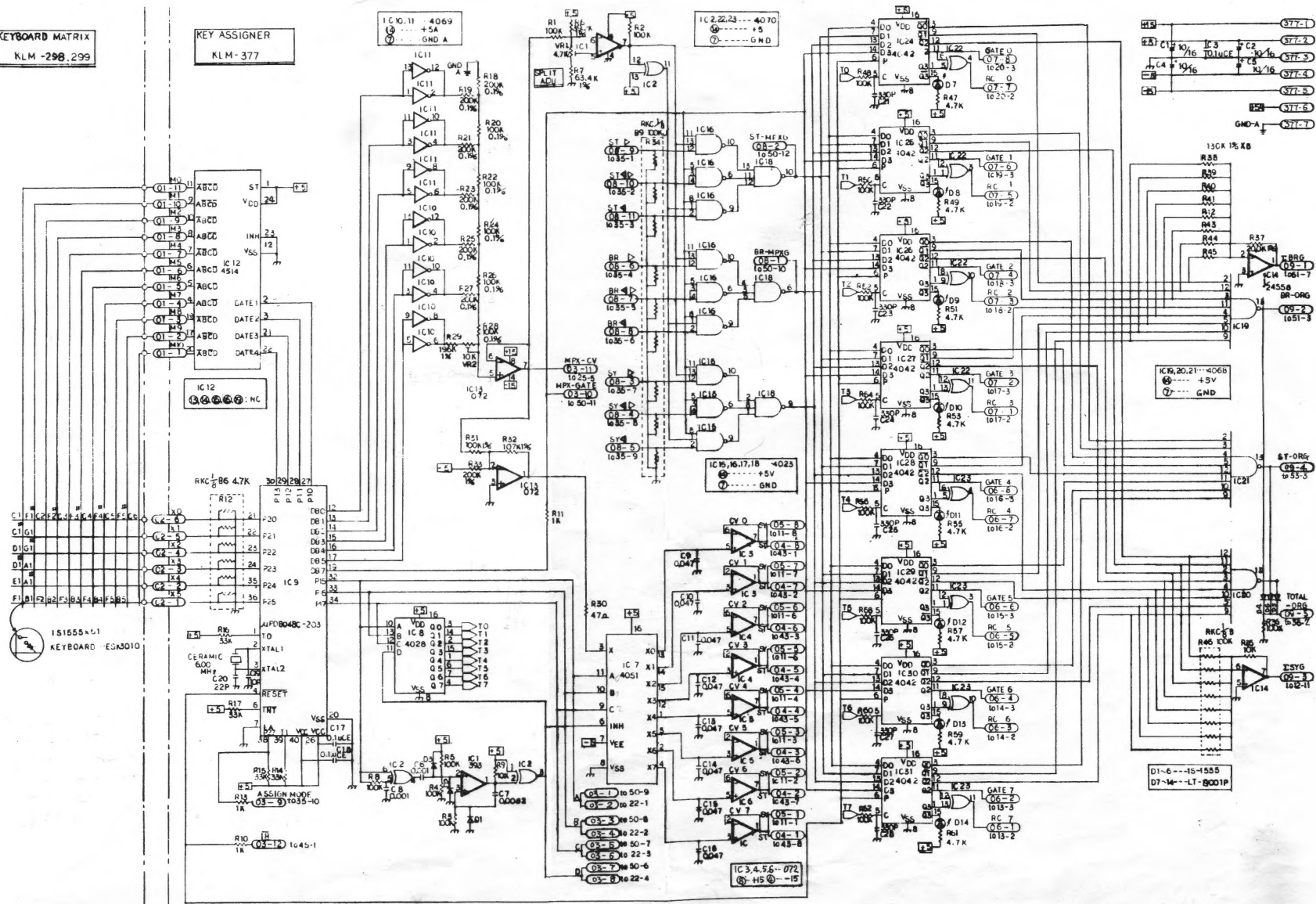


PERFORMING KEYBOARD SERVICE MANUAL

TRIDENT mk II

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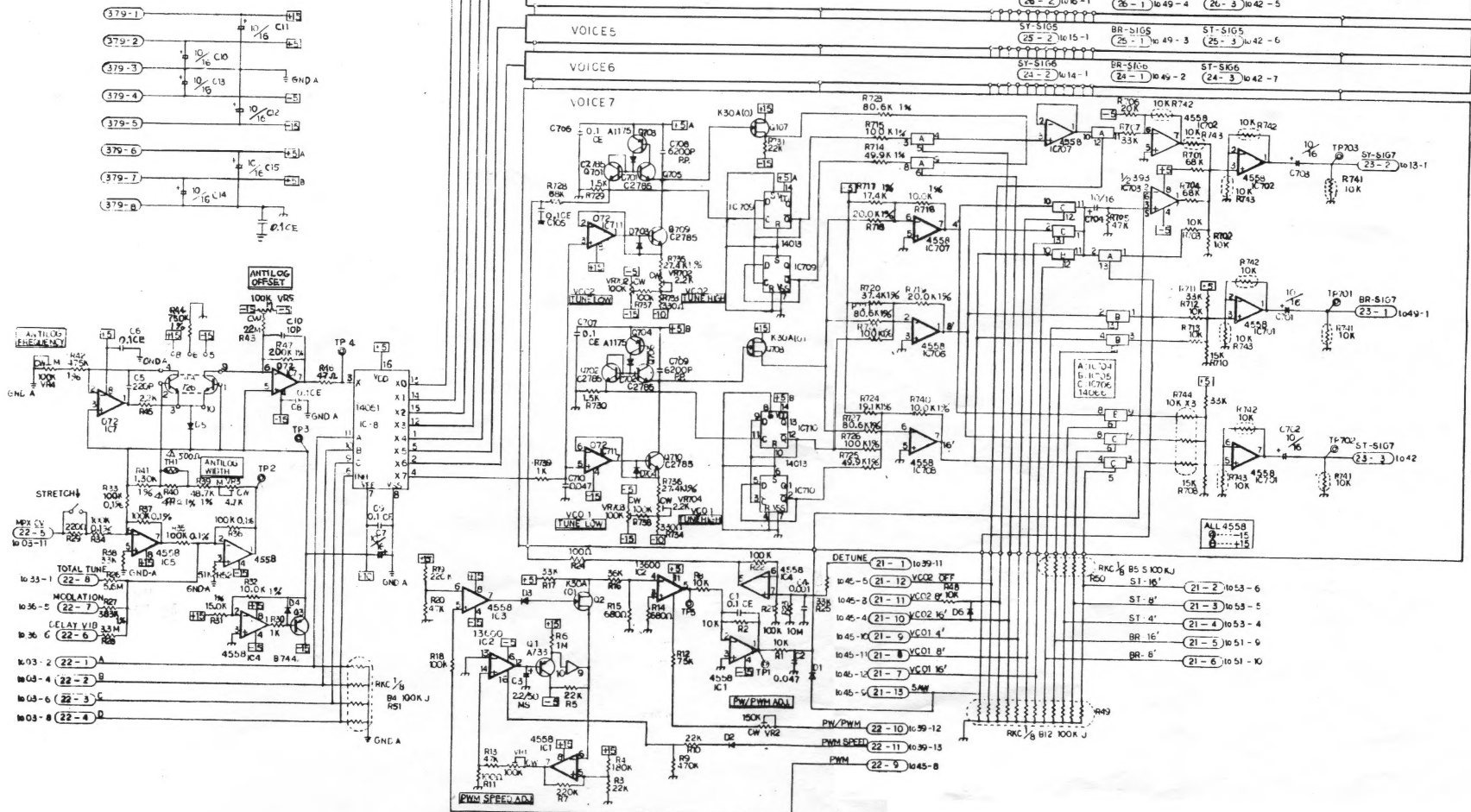


KLM-378 SYNTHESIZER

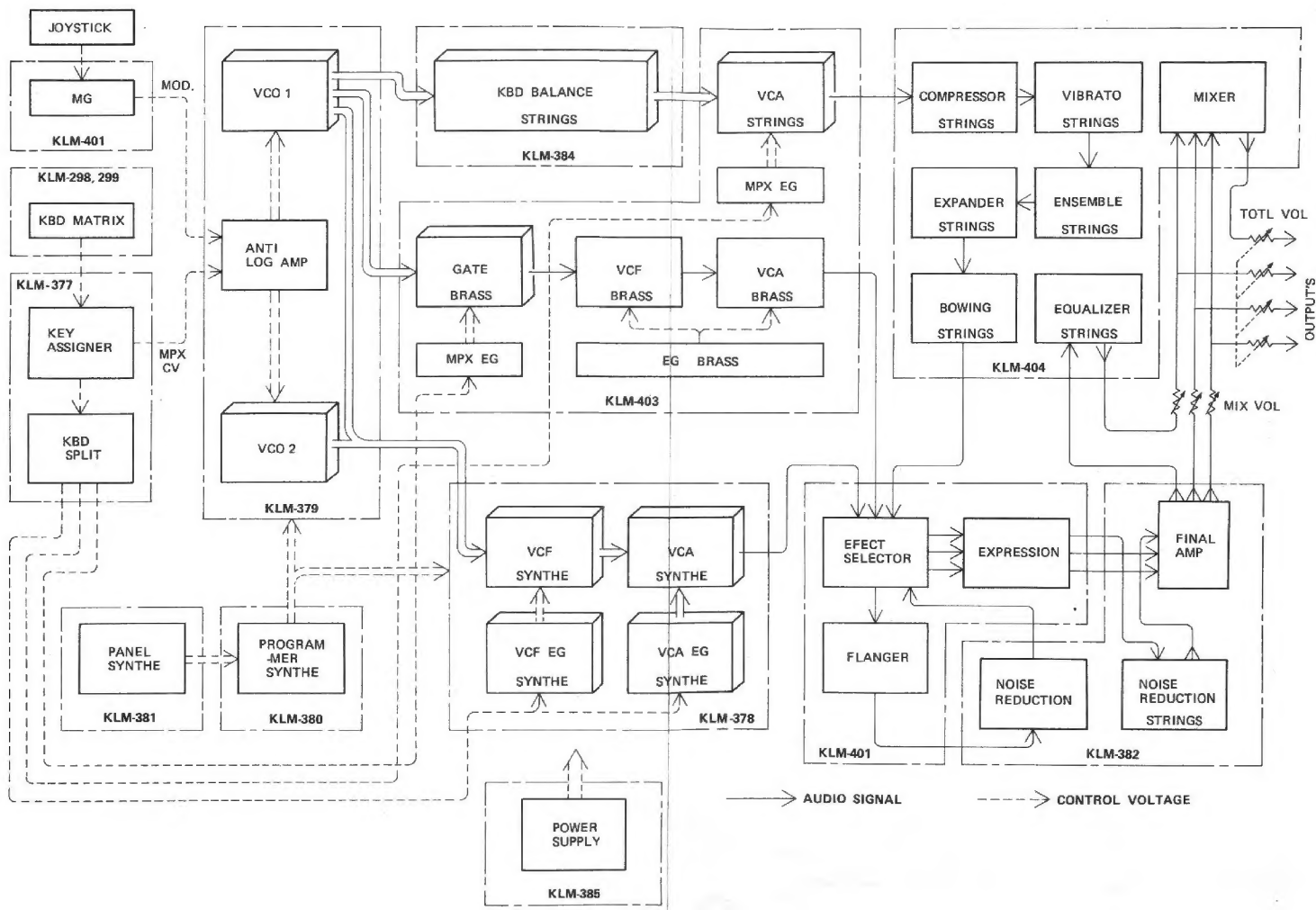


KLM-379 SIGNAL GENERATOR

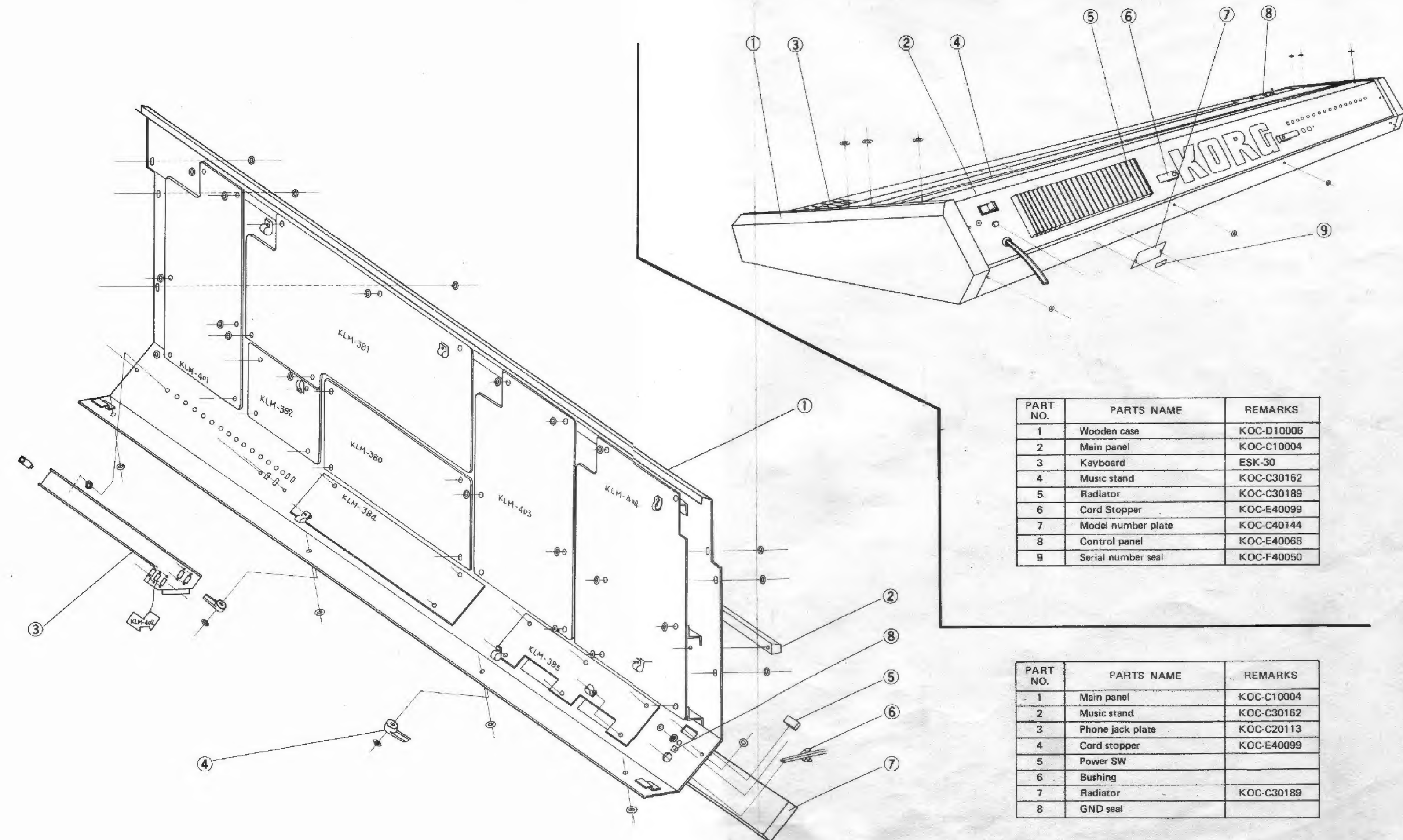
KLM-379 SIGNAL GENERATOR

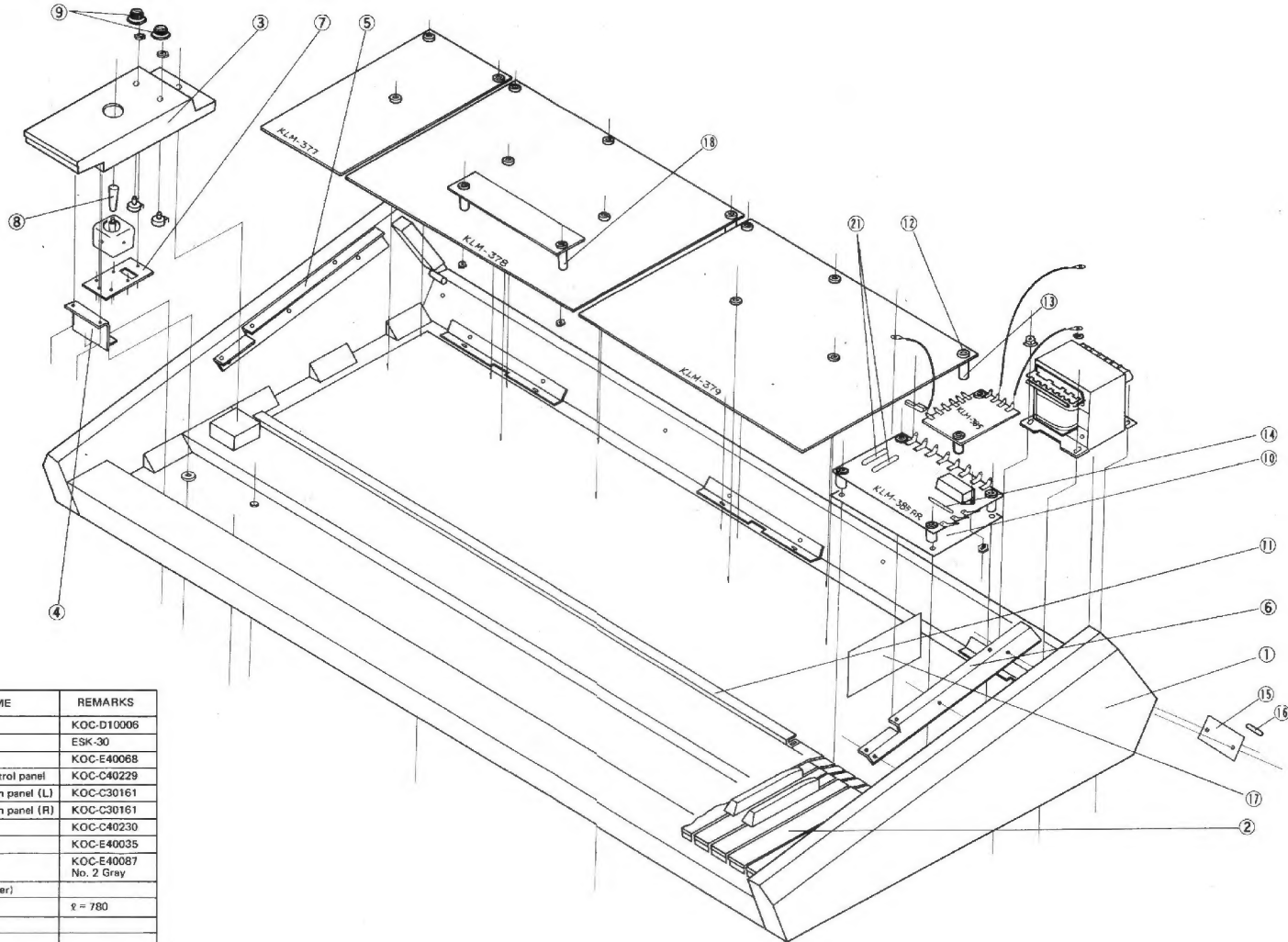


3. BLOCK DIAGRAM







2. STRUCTURAL DIAGRAM



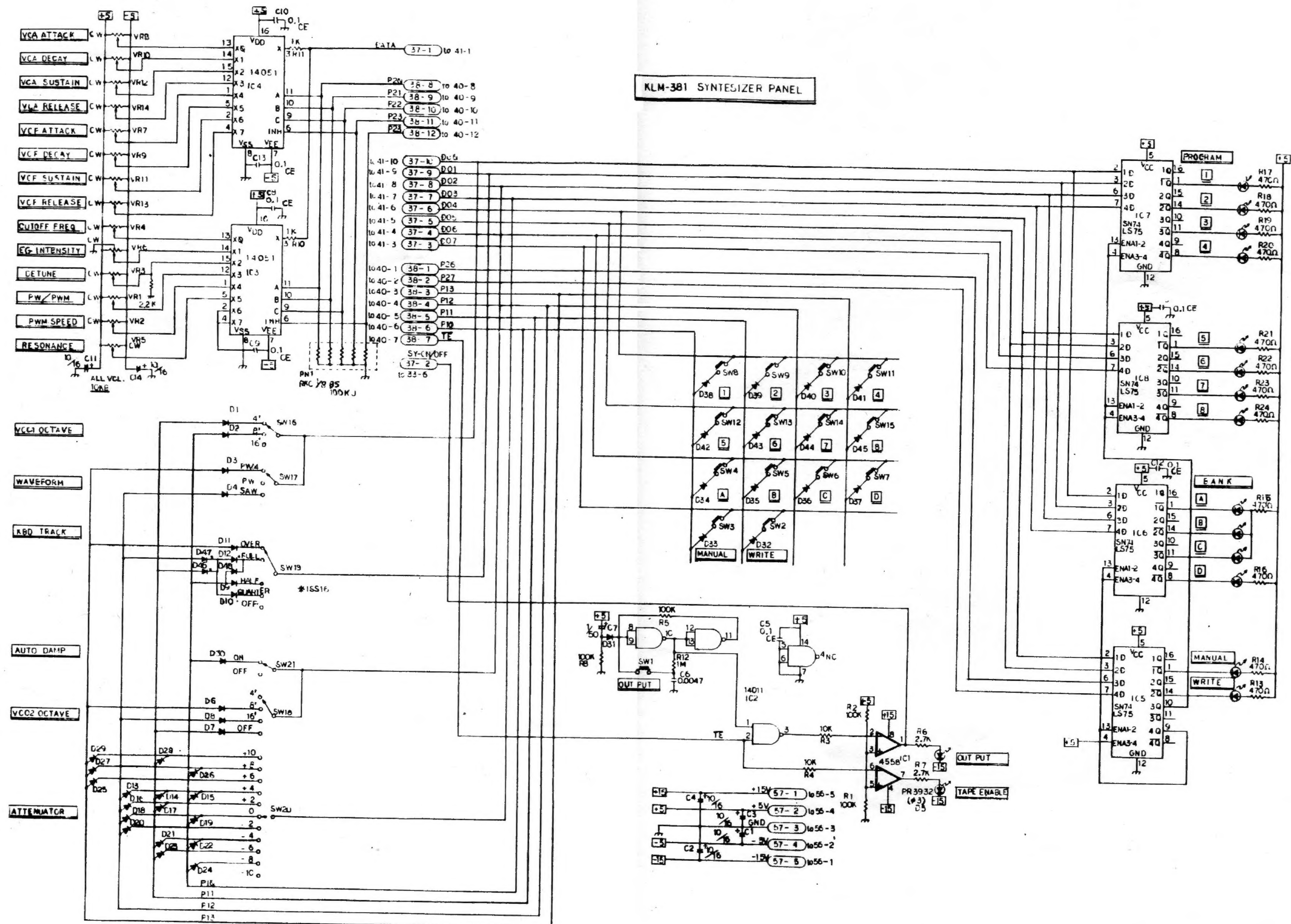


PART NO.	PARTS NAME	REMARKS
1	Wooden case	KOC-D10006
2	Key board	ESK-30
3	Control panel	KOC-E40068
4	Metal fitting of control panel	KOC-C40229
5	Metal fitting of main panel (L)	KOC-C30161
6	Metal fitting of main panel (R)	KOC-C30161
7	Joystic plate	KOC-C40230
8	Joystic VR knob	KOC-E40035
9	Rotary VR knob	KOC-E40087 No. 2 Gray
10	Shielding sheet (Fiber)	
11	PC board rail	ℓ = 780
12	Bushing (TB300)	
13	Bushing (TB301)	
14	Fuse seal	
15	Model number plate	KOC-C40144
16	Serial number seal	
17	Fuse caution seal	KOC-F30013
18	Bushing (TA320)	

1. SPECIFICATIONS

KEYBOARD	• C—C, 61 Keys, 8 voices		
SYNTHESIZER SECTION (Program and edit functions are possible for items marked *)			
VCO-1*	• Octave (16', 8', 4')		
	• Waveform ( , PW, PWM)		
	• PW/PWM Intensity		
	• PWM Speed		
VCO-2*	• Scale (Off, 16', 8', 4')		
	• Waveform ()		
	• Detune		
VCF*	• Cut-off Frequency		
	• Resonance		
	• EG Intensity		
	• KBD Track (Off 0%, Quarter 25%, Half 50%, Full 100%, Over < 150%)		
VCF EG*	• Attack		
	• Decay		
	• Sustain		
	• Release		
VCA*	• Attenuator (-10dB ~ +10dB)		
VCA EG*	• Attack		
	• Decay		
	• Sustain		
	• Release		
VCA*	• Attenuator (-10dB ~ +10dB)		
AUTO DAMP	• ON/OFF		
PROGRAMMER (x32)	• Program Select (1-8)		
	• Bank Select (A, B, C, D)		
	• Manual		
	• Write		
TAPE INTERFACE	• To Tape		
	• From Tape		
	• Verify		
	• Error/Cancel		
	• Write Enable (Enable/Disable)		
	• Tape Enable (Enable/Disable)		
	• Tape Indicator x2 (Found, Loading)		
MIXER	• Output (On/Off)		
	• Volume		
BRASS SECTION			
OCTAVE (x2)	• 16', 8'		
VCF	• Cut-off Frequency		
	• Resonance		
	• EG Intensity		
ENVELOPE GENERATOR			
	• Attack		
	• Decay		
	• Sustain		
	• Release		
TRIGGER	• Multiple Trigger (On/Off)		
	• Trigger Select (On/Off)		
	• Silence Note (2, 4, 6, 8)		
MIXER	• Output (On/Off)		
	• Volume		
STRINGS SECTION			
OCTAVE (x3)	• 16', 8', 4'		
ENVELOPE GENERATOR	• Attack		
	• Release		
EQUALIZER	• High		
	• Low		
EFFECT	• Bowing (On/Off, Level, Tone)		
	• Vibrato (On/Off, Delay Time, Intensity, Speed)		
	• Ensemble (On/Off)		
FILTER	• KBD Balance		
MIXER	• Output (On/Off)		
	• Volume		
TOTAL CONTROL SECTION			
KEY ASSIGNOR	• Assign Mode (1, 2)		
KEYBOARD SPLIT	• Synthe (L, L+H, H)		
	• Brass (L, L+H, H)		
	• Strings (L, L+H, H)		
	• Tune (±100 Cents)		
PITCH CONTROL	• Delay Vibrato (On/Off)		
VIBRATO	• Intensity		
	• Pitch Bend (X-Axis)		
JOY STICK	• Vibrato Depth/Trill Depth (Y-Axis)		
	• Intensity		
	• Speed		
FLANGER	• Select (Synthe, Brass, Strings)		
	• Manual		
	• Intensity		
	• Feedback		
	• Speed		
VOLUME CONTROL	• Total Volume		
	• Headphone Volume		
POWER SWITCH	• Power (On/Off)		
INPUTS & OUTPUTS			
INPUTS	• Synthe VCF fcm In (-5V ~ +5V)		
	• Synthe Release ()		
	• Brass VCF fcm In (-5V ~ +5V)		
	• Brass Trigger In ()		
	• Separate Expression x3 (0 ~ +5V)		
	• Total Expression (0 ~ +5V)		
	• From Tape (With High/Low Switch)		
OUTPUTS	• Mix Outputs (High, Low)		
	• Separate Outputs (Synthe, Brass, Strings)		
	• Headphone Output (Stereo)		
	• To Tape (With High/Low Switch)		
DIMENSIONS	• 1012(W) x 542(D) x 173(H) mm		
WEIGHT	• 23.5 kg		
ACCESSORIES	• Connection Cord		
	• Dust Cover		
	• Foot Switch S-1		
	• Memory Cassette		
POWER CONSUMPTION	• Voltage (Local Voltage, 50/60 Hz)		
	• Wattage (53 W)		

KLM-381 SYNTHESIZER PANEL



KLM-383, 385

